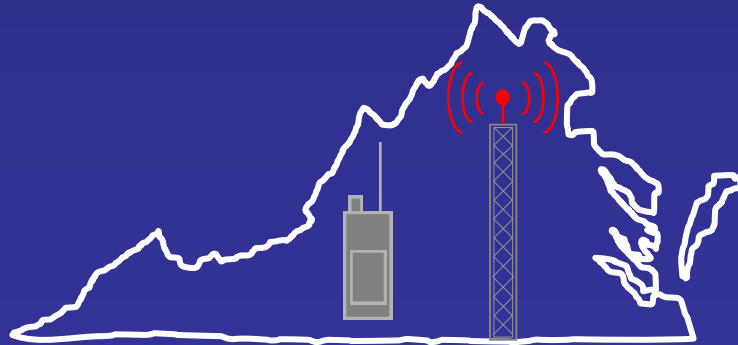


THE VIRGINIA COMMUNICATIONS CACHE



Portable Radios



- VHF High Band

- UHF

- 700/800 MHz

- Analog/Digital Conventional

- P25 Conventional and Trunked

- Motorola & Harris Analog/Digital Trunking.



Over 2,000 Portable radios available for deployment.



Repeaters

- **Portable**

- VHF High Band
- UHF
- 700/800 MHz

- **Infrastructure**

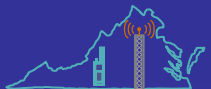
- VHF High Band
- UHF
- 700/800 MHz



Analog and P25 Conventional.



Deployable Towers & Masts



THE VIRGINIA COMMUNICATIONS CACHE



Radio Gateways

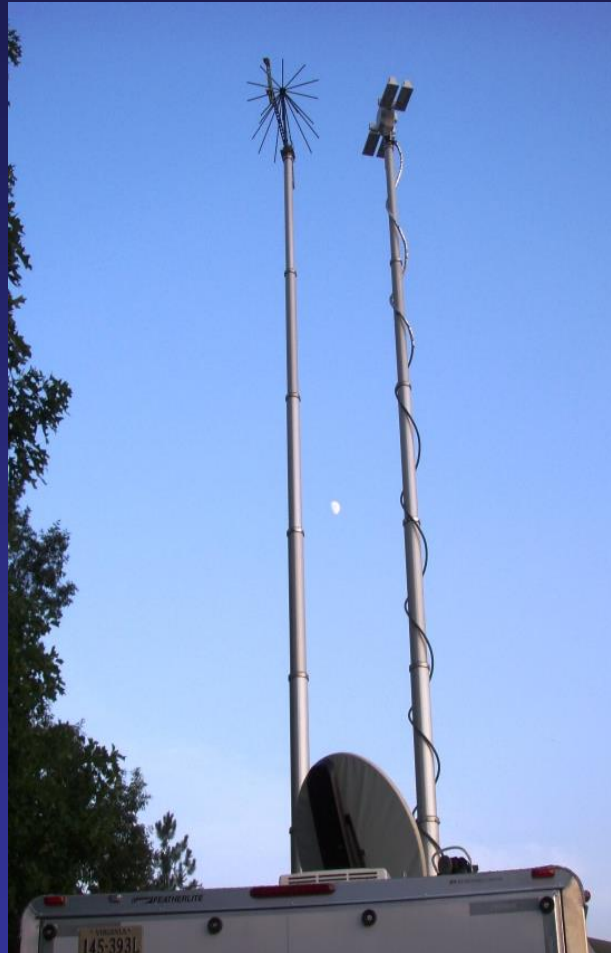
- VHF Low/High, UHF, 700/800:
 - Conventional
 - Proprietary Trunked
 - Digital
 - P25
- Aeronautical
- Maritime
- Amateur Radio
- Cellular
- Sat Link
- ROIP, VOIP



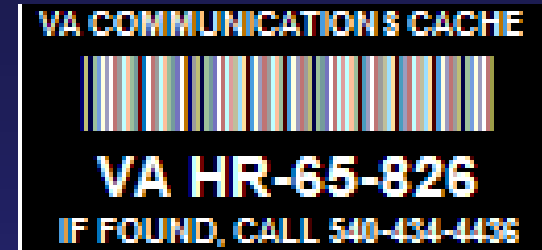
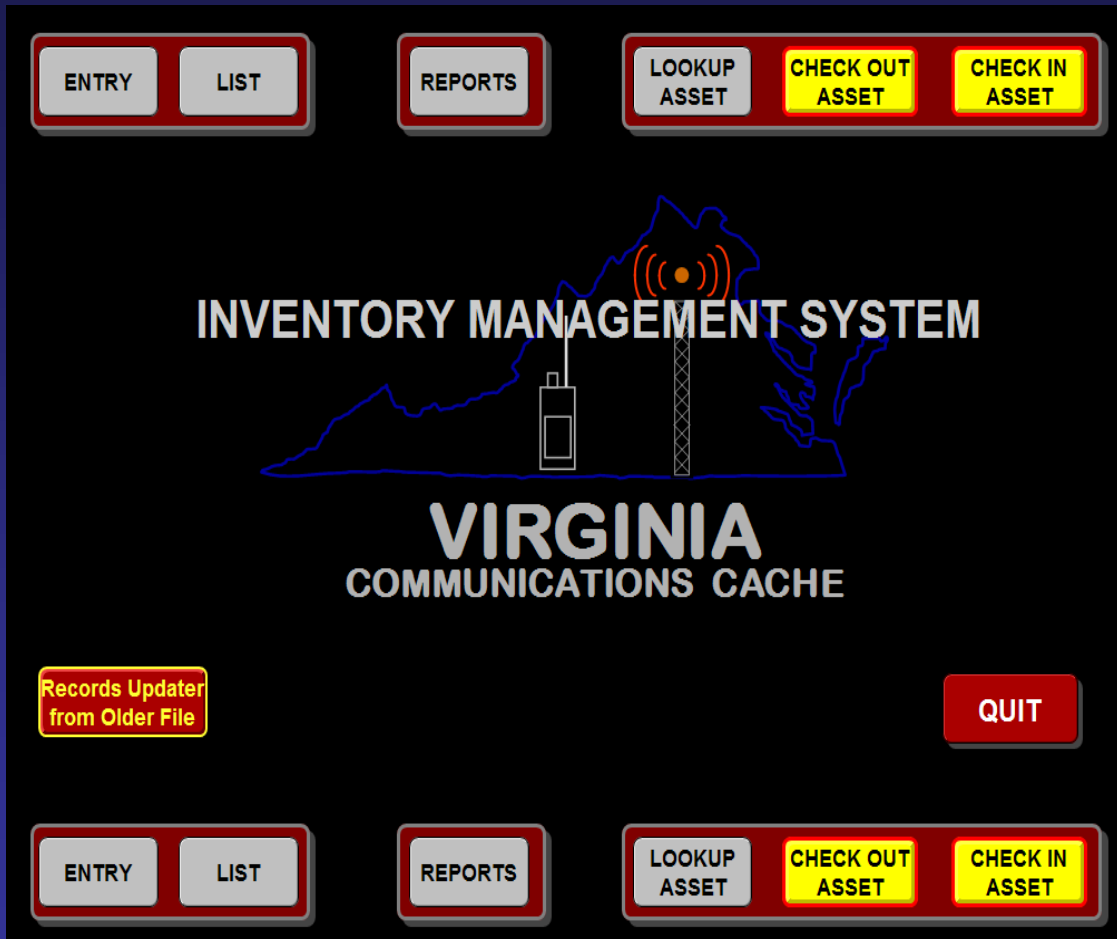
System 16 Port (1)



Satellite Communications



Automated Asset Tracking



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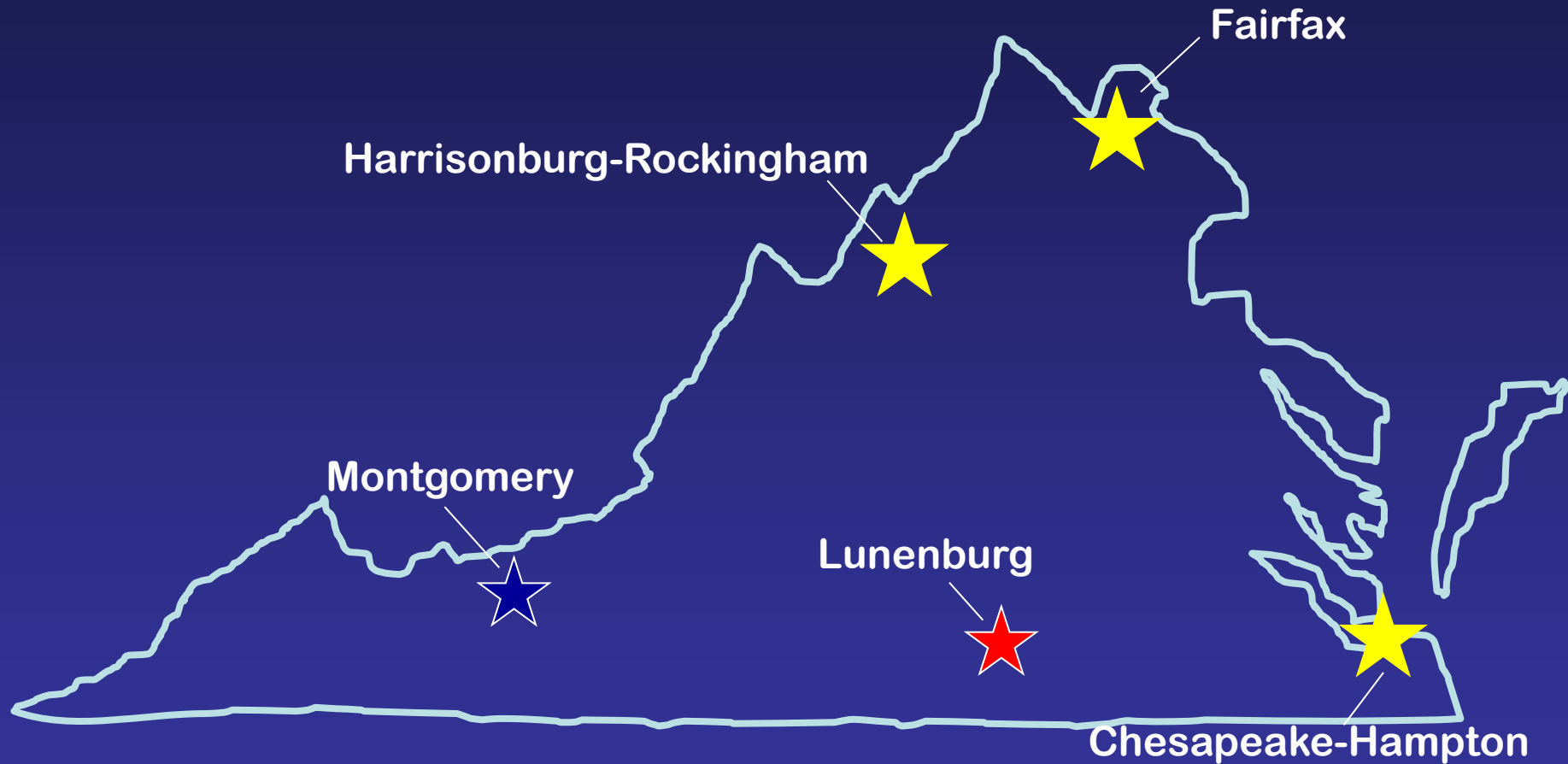
Self-Contained, Self-Supporting



THE VIRGINIA COMMUNICATIONS CACHE



Communications Cache Geographic Diversity



The Virginia Communications Cache Teams

Locally Owned/Managed, State Coordinated

Chris Dennis
Chesapeake-Hampton
Team Manager

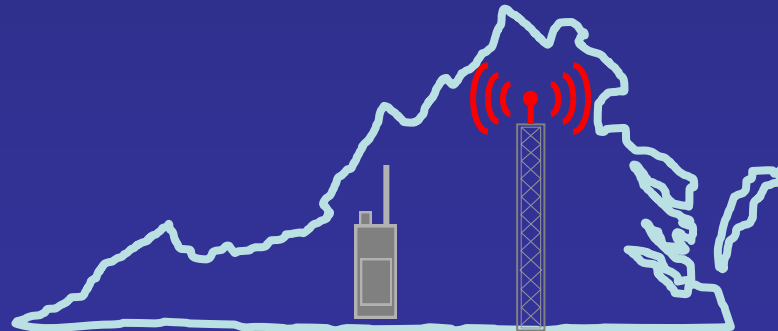
Neal Turner
Montgomery Team Manager

Wes Rogers
Fairfax Team Manager

Rodney Newton
Lunenburg Team Manager

Jim Junkins
Harrisonburg-Rockingham
Team Manager

Mike Keefe
VDEM Liaison



THE SEARCH FOR HANNAH GRAHAM



THE VIRGINIA COMMUNICATIONS CACHE



GOAL & OBJECTIVES

GOAL:

Provide radio communications to 2,000 personnel searching for Hannah Graham in and around Charlottesville, VA.

OBJECTIVES:

- Develop communications plan for a multi-operational period search.
- Establish multiple radio channels/sites for 25 sq mile coverage area.
- Distribute 400+ portable radios to search personnel over 32 hour operational period.
- Perform Dispatch & Log Search Communications.



SEARCH AREA



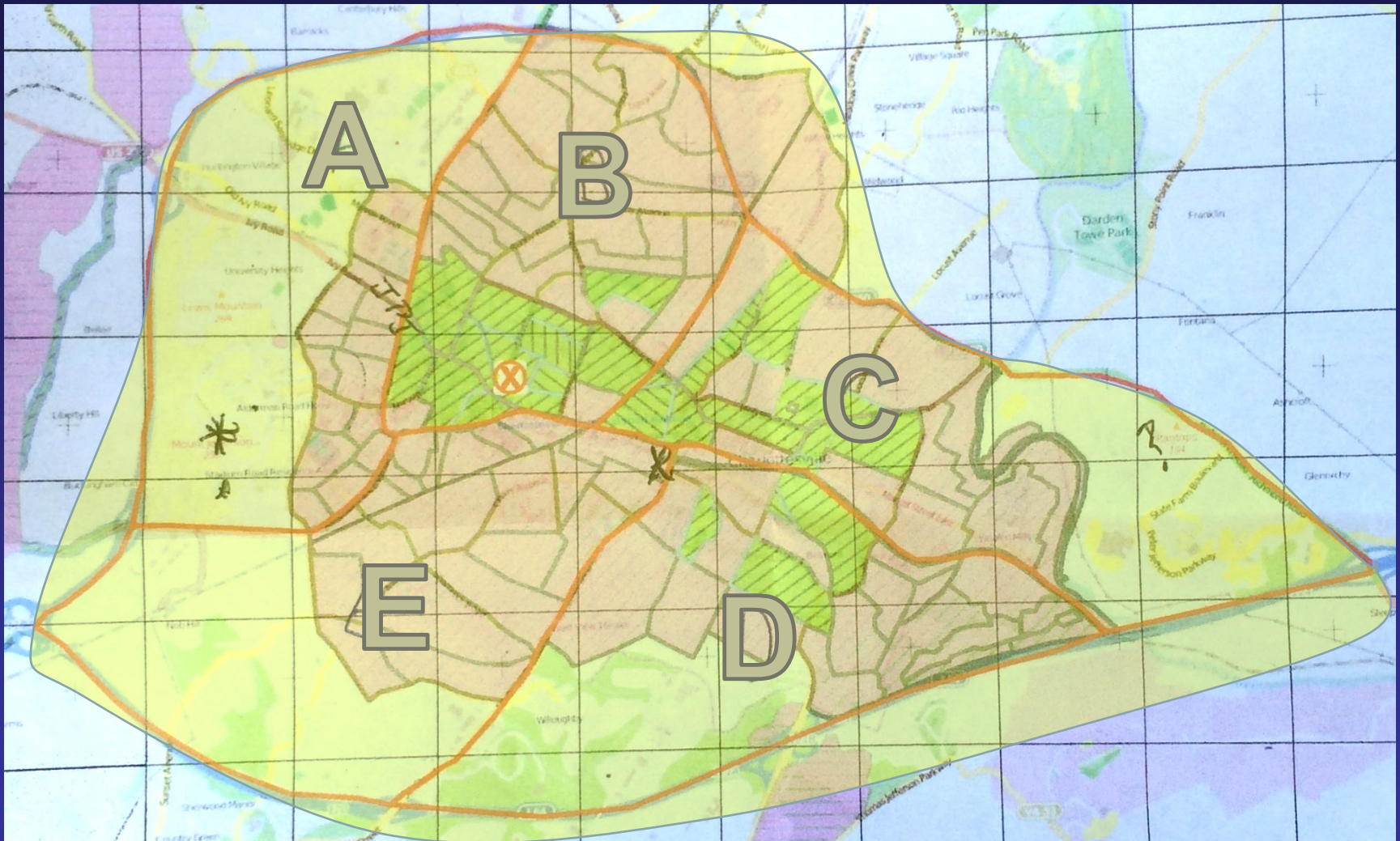
CHARLOTTESVILLE TOPOGRAPHY



THE VIRGINIA COMMUNICATIONS CACHE



SEARCH DIVISIONS



THE VIRGINIA COMMUNICATIONS CACHE

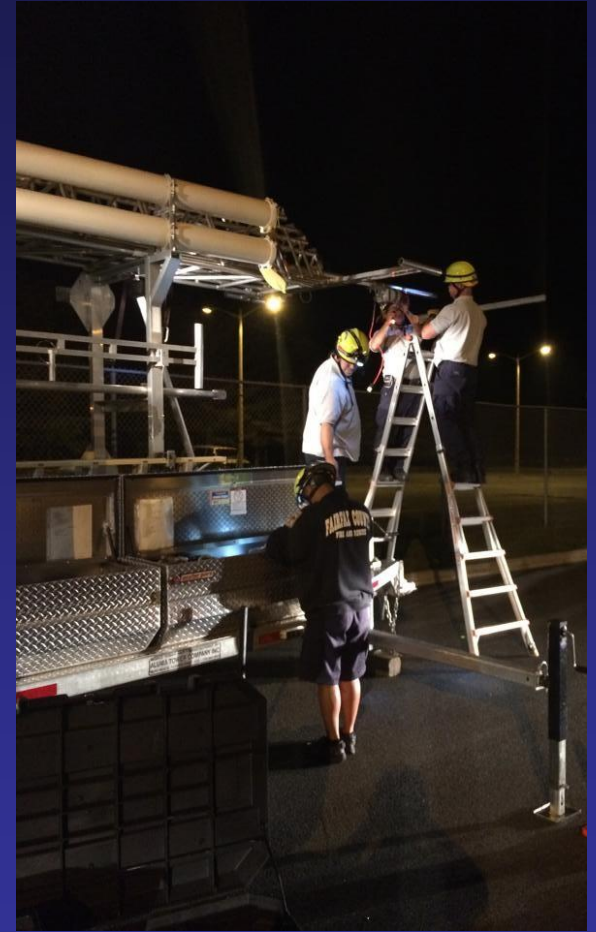


COMMUNICATIONS PLAN

INCIDENT RADIO COMMUNICATIONS PLAN			Incident Name Charlottesville Search			Date/Time Prepared 20140920, 03:30		Operational Period Date/Time 20140920, 08:00-20:00	
Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone/NAC	TX Freq N or W	TX Tone/NAC	Mode A, D or M	Remarks
1	Command Net	EVNT8	CVILLE:CMD/CTRL	Cville TRS	XX	Cville TRS	XX	D	
2	Operations Net	EVNT9	CVILLE:OPS	Cville TRS	XX	Cville TRS	XX	D	
3	Logistics Net	EVNT10	CVILLE:LOGISTICS	Cville TRS	XX	Cville TRS	XX	D	
4	Logistics Net	EVNT11	CVILLE:MEDICAL	Cville TRS	XX	Cville TRS	XX	D	
5	Logistics Net	EVNT12	CVILLE:OVERFLOW	Cville TRS	XX	Cville TRS	XX	D	
6	Operations Net	UCALL40	CALLING CHANNEL	453.2125 MHz N	CSQ	458.2125 MHz N	156.7	A	Monitored by Cville ECC
7	Operations Net	VCALL10	CALLING CHANNEL	155.7525 MHz N	CSQ	155.7525 MHz N	156.7	A	Monitored by Cville ECC
8	Operations Net	UTAC41	SEARCH TEAMS	453.4625 MHz N	CSQ	458.4625 MHz N	156.7	A	DIVISION A
9	Operations Net	UTAC42	SEARCH TEAMS	453.7125 MHz N	CSQ	458.7125 MHz N	156.7	A	DIVISION B
10	Operations Net	UTAC43	SEARCH TEAMS	453.8625 MHz N	CSQ	458.8625 MHz N	156.7	A	DIVISION E
11	Operations Net	VTAC36	SEARCH TEAMS	151.1375 MHz N	CSQ	159.4725 MHz N	136.5	A	DIVISION D
12	Operations Net	VDEM OIL1	SEARCH TEAMS	150.980 MHz N	167.9	158.445 MHz N	167.9	A	DIVISION C (rural area)
13	Operations Net	VDEM OIL4	SEARCH TEAMS	159.480 MHz N	167.9	154.585 MHz N	167.9	A	DIVISION C (downtown area)
14	Logistics Net	7TAC51D	VOL MGMT @ JPJ	769.14375 UN	NAC293	769.14375 UN	NAC293	D	
15									
16									
17	Logistics Net	VTAC12	IMT	154.4525 MHz N	CSQ	154.4525 MHz N	156.7 Hz	A	IMT CVILLE LOGISTICAL COMMS
18	Logistics Net	VTAC13	VA CACHE/TERT	158.7375 MHz N	CSQ	158.7375 MHz N	156.7 Hz	A	CACHE/TERT TEAM CVILLE COMMS
19	Logistics Net	MSAT-VA CACHE	VA CACHE	NI-SAT TG	XX	NI-SAT TG	XX	D	CACHE TEAM LONG HAUL COMMS
20									
Prepared By (Communications Unit) JIM JUNKINS, VIRGINIA COMMUNICATIONS CACHE, HR TEAM				Incident Location CHARLOTTESVILLE County ALBEMARLE State VA Latitude N Longitude W					



REPEATER SITES



THE VIRGINIA COMMUNICATIONS CACHE



RADIO DISTRIBUTION



THE VIRGINIA COMMUNICATIONS CACHE



TACTICAL DISPATCHING



THE VIRGINIA COMMUNICATIONS CACHE



TIMELINE

<u>Date</u>	<u>Time</u>	<u>Event</u>
Thursday Sept 19, 2014	8:30 p.m.	Request Received for Communications Assistance
	9:00 p.m.	Initial VDEM briefing to COML
	10:00 p.m.	Team Managers Tele-conference Briefing
Friday Sept 20, 2014	9:00 a.m.	Deployment Plan Established
	1:00 p.m.	First Communications Cache Team at Command Post
	2:00 p.m.	Repeater Site Acquisition Began
	4:00 p.m.	Command Briefing Held
	6:00 p.m.	Repeater Site Setup Teams Deployed
	8:00 p.m.	Dispatch Stations Equipment Staged
	9:00 p.m.	Portable Radio Distribution Stations Ready
Saturday Sept 21, 2014	2:00 a.m.	Repeater Sites Established and Tested
	6:00 a.m.	Dispatch & Radio Distribution Teams in Place
	7:00 a.m.	Operational Period Begins
	7:00 p.m.	Operational Period Ends
	9:00 p.m.	Repeater Maintenance & Refueling, Battery Charging Begins
Sunday Sept 22, 2014	3:00 a.m.	Maintenance and Charging Ends
	6:00 a.m.	Dispatch & Radio Distribution Teams in Place
	7:00 a.m.	Operational Period Begins
	6:00 p.m.	Operational Period Ends
	9:00 p.m.	All Teams Demobilized
	11:50 p.m.	Last Team Returns to Quarters



MISSION COMPLETE

- ✓ 5 REPEATER SITES.
 - ✓ 12 COMMUNICATIONS NETS: VHF, UHF, 700/800. SATELLITE.
 - ✓ 400+ RADIOS DISTRIBUTED.
 - ✓ 6 CONCURRENT DISPATCH STATIONS MANNED.
 - ✓ CONTINUOUS COMMUNICATIONS SUPPORT FOR 40 HOURS.
-
- 34 COMMUNICATIONS CACHE TEAM MEMBERS ON SITE.
 - DIRECT COSTS: \$22,451.00



VIRGINIA

COMMUNICATIONS CACHE



JIM JUNKINS

Director

Harrisonburg-Rockingham ECC

101 N. Main St.

Harrisonburg, VA 22802

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WES ROGERS

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Fairfax County Fire-Rescue

4890 Alliance Dr.

Fairfax, VA 22030

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Wes.Rogers@fairfaxcounty.gov